ThreatQuotient

A Securonix Company

Security Onion CDF

Version 1.0.0

January 20, 2026

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ThreatQ Supported

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Contents

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This integration is designated as **ThreatQ Supported**.

Support Email: tq-support@securonix.com
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Integration Details

ThreatQuotient provides the following details for this integration:

Current Integration Version	1.0.0
Compatible with ThreatQ Versions	>= 5.29.0
Support Tier	ThreatQ Supported

Introduction

The Security Onion CDF integration ingests alerts, detections, and their associated context from Security Onion into ThreatQ. The integration enables analysts to correlate Security Onion alert data with threat intelligence stored in ThreatQ.

The integration provides the following feed:

- **Security Onion Alerts** –retrieves alert and detection data from Security Onion and ingests them as Events and Signatures, along with Indicators and Assets as applicable.

The integration ingests the following object types:

- Assets
- Events
- Indicators
- Signatures

Prerequisites

The following is required in order to install and run the integration:

- Security Onion API ID
- Security Onion API Secret

These credentials can be generated within Security Onion by navigating to **Administration → API Clients**.

Installation

Perform the following steps to install the integration:

> The same steps can be used to upgrade the integration to a new version.

1. Log into https://marketplace.threatq.com/.
2. Locate and download the integration yaml file.
3. Navigate to the integrations management page on your ThreatQ instance.
4. Click on the **Add New Integration** button.
5. Upload the integration yaml file using one of the following methods:
   - Drag and drop the file into the dialog box
   - Select **Click to Browse** to locate the file on your local machine
6. Select the individual feeds to install, when prompted and click **Install**.

   > ThreatQ will inform you if the feed already exists on the platform and will require user confirmation before proceeding. ThreatQ will also inform you if the new version of the feed contains changes to the user configuration. The new user configurations will overwrite the existing ones for the feed and will require user confirmation before proceeding.

The feed(s) will be added to the integrations page. You will still need to configure and then enable the feed.

Configuration

> ThreatQuotient does not issue API keys for third-party vendors. Contact the specific vendor to obtain API keys and other integration-related credentials.

To configure the integration:

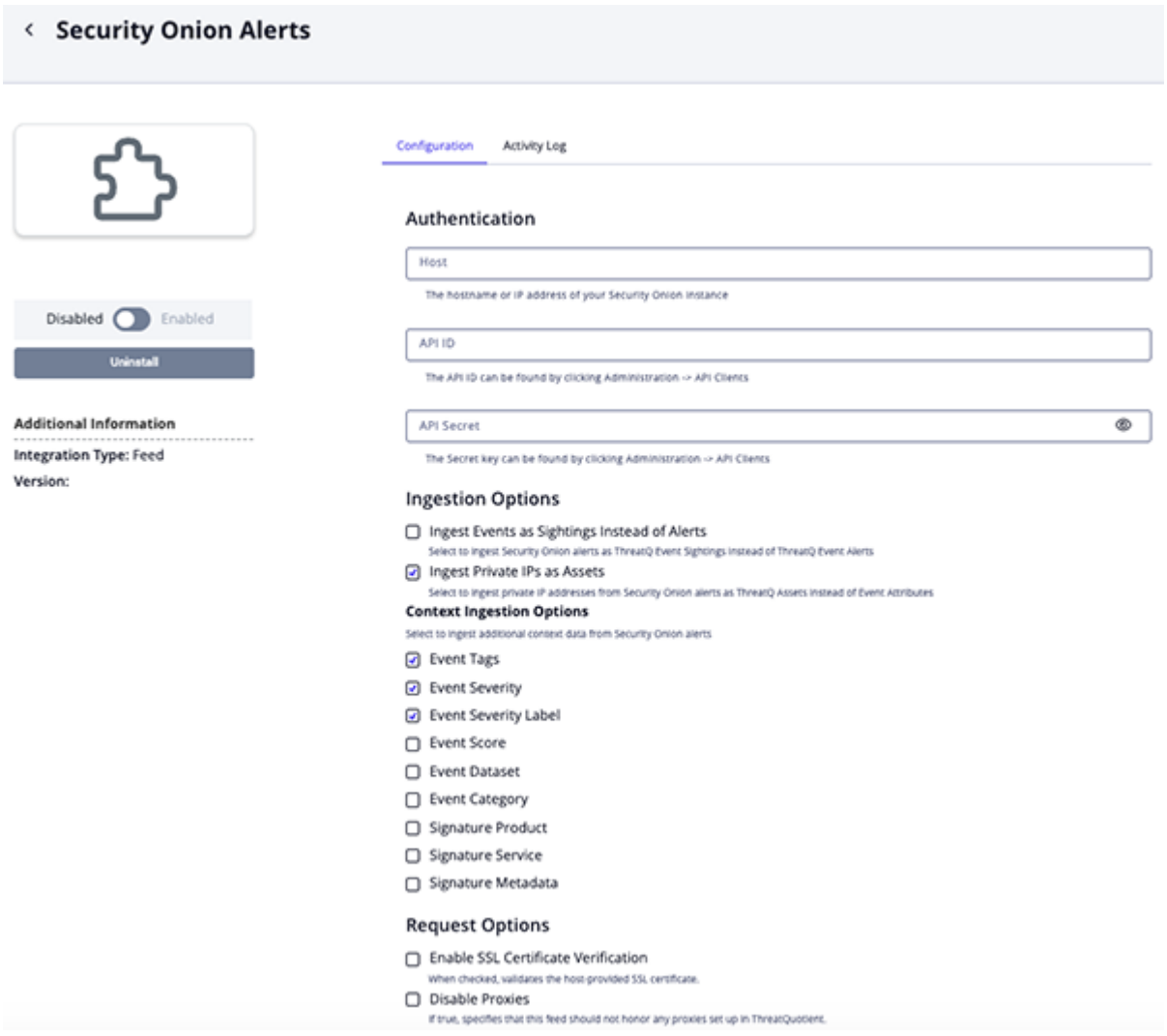
1. Navigate to your integrations management page in ThreatQ.
2. Select the **Commercial** option from the *Category* dropdown (optional).

   > If you are installing the integration for the first time, it will be located under the **Disabled** tab.

3. Click on the integration entry to open its details page.
4. Enter the following parameters under the **Configuration** tab:

PARAMETER	DESCRIPTION
Host	The Hostname or IP address of the Security Onion instance.
API ID	Your API ID from Security Onion.
API Secret	The API Secret associated with the API ID.
Ingest Events as Sightings Instead of Alerts	Enable this parameter to ingest alerts as Event Sightings (opposed to Event Alerts). This parameter is disabled by default.
Ingest Private IPs as Assets	Enable this parameter to ingest private IPs as Assets (opposed to Event Attributes). This parameter is enabled by default.
Context Ingestion Options	Select specific context fields to ingest into ThreatQ. Options include: ◦ Event Tags (*default*) ◦ Event Severity (*default*) ◦ Event Severity Label (*default*) ◦ Event Score ◦ Event Category ◦ Signature Product ◦ Signature Service

PARAMETER	DESCRIPTION
	◦ Event Dataset ◦ Signature Metadata
Enable SSL Certificate Verification	Enable this parameter if the feed should validate the host-provided SSL certificate.
Disable Proxies	Enable this parameter if the feed should not honor proxies set in the ThreatQ UI.



5. Review any additional settings, make any changes if needed, and click on **Save**.
6. Click on the toggle switch, located above the *Additional Information* section, to enable it.

ThreatQ Mapping

Security Onion Alerts

The Security Onion Alerts feed queries Security Onion for alerts along with associated detections and contextual data, retrieving results for the date range between the previous execution and the current run.

```
GET /connect/events?query=tags:alert | sortby @timestamp
```

Sample Response:


```
{
  "events": [
    {
      "source": "securityonion:.ds-logs-suricata.alerts-so-2025.06.12-000003",
      "Time": "2025-06-10T22:58:02.307Z",
      "timestamp": "2025-06-10T22:58:02.307Z",
      "id": "8gq1ZZcBcalMnhRghGIa",
      "type": "",
      "score": 0,
      "payload": {
        "@timestamp": "2025-06-10T22:58:02.307Z",
        "@version": "1",
        "container.id": "eve-2025-06-12-19:54.json",
        "data_stream.dataset": "import",
        "data_stream.namespace": "so",
        "data_stream.type": "logs",
        "destination.ip": "203.161.44.208",
        "destination.port": 80,
        "ecs.version": "8.0.0",
        "elastic_agent.id": "aa7c6d6d-a5fe-4935-b7de-9d332be87f6b",
        "elastic_agent.snapshot": false,
        "elastic_agent.version": "8.14.3",
        "event.acknowledged": true,
        "event.acknowledged_elapsed_seconds": 12331054,
        "event.acknowledged_timestamp": "2025-10-31T16:15:36.955Z",
        "event.category": "network",
        "event.dataset": "suricata.alert",
        "event.imported": true,
        "event.ingested": "2025-06-12T19:54:39.161Z",
        "event.module": "suricata",
        "event.severity": 1,
        "event.severity_label": "low",
        "import.file": "eve-2025-06-12-19:54.json",
        "import.id": "d2d6ddc0c650c3d3bfec174b588b9f77",
        "input.type": "log",
        "log.file.path": "/nsm/import/d2d6ddc0c650c3d3bfec174b588b9f77/suricata/
eve-2025-06-12-19:54.json",
        "log.id.uid": "811105843248641",
        "log.offset": 118623,
        "message": "{\"timestamp\":\"2025-06-10T22:58:02.307685+0000\",
\"flow_id\":811105843248641,\"pcap_cnt\":364797,\"event_type\":\"alert\",\"src_ip\":\"71.6.199.65\",
\"src_port\":57184,\"dest_ip\":\"203.161.44.208\",\"dest_port\":80,\"proto\":\"TCP\",\"pkt_src\":
\"wire/pcap\",\"community_id\":\"1:kFVQfpMI3R/22WZhYIK4c1GbxcU=\",\"tx_id\":0,\"alert\":{\"action\":
\"allowed\",\"gid\":1,\"signature_id\":2029054,\"rev\":3,\"signature\":\"ET SCAN Zmap User-Agent
(Inbound)\",\"category\":\"Detection of a Network Scan\",\"severity\":3,\"metadata\":
{\"confidence\":[\"High\"],\"created_at\":[\"2019_11_26\"],\"signature_severity\":
```

```
[\"Informational\"],\"updated_at\":[\"2024_04_13\"]},\"rule\":\"alert http $EXTERNAL_NET any -> any
any (msg:\\\"ET SCAN Zmap User-Agent (Inbound)\\\"; flow:established,to_server; http.user_agent;
content:\\\"Mozilla/5.0 zgrab/0.x\\\"; startswith; endswith; classtype:network-scan; sid:2029054;
rev:3; metadata:created_at 2019_11_26, confidence High, signature_severity Informational, updated_at
2024_04_13;)\"},\"app_proto\":\"http\",\"direction\":\"to_server\",\"payload_printable\":\"GET /
HTTP/1.1\\r\\nHost: 203.161.44.208\\r\\nUser-Agent: Mozilla/5.0 zgrab/0.x\\r\\nAccept: */*\\r\
\nAccept-Encoding: gzip\\r\\n\\r\\n\",\"stream\":1,\"packet\":
\"ABY8y3JCZGSbTzcACABFKAA04ZUAADYGnE1HBsdBy6Es0N9gAFDRvPgvuoucUYAQAfXp9AAAAQEICgW9oRONp08n\",
\"packet_info\":{\"linktype\":1}}",
        "metadata.beat": "filebeat",
        "metadata.input.beats.host.ip": "172.17.1.1",
        "metadata.input_id": "logfile-logs-47da5c87-a0c7-4cf5-941b-4fed6ab307f0",
        "metadata.pipeline": "suricata.common",
        "metadata.raw_index": "logs-import-so",
        "metadata.stream_id": "logfile-log.logs-47da5c87-a0c7-4cf5-941b-4fed6ab307f0",
        "metadata.type": "_doc",
        "metadata.version": "8.14.3",
        "network.community_id": "1:kFVQfpMI3R/22WZhYIK4c1GbxcU=",
        "network.data.decoded": "GET / HTTP/1.1\r\nHost: 203.161.44.208\r\nUser-Agent: Mozilla/5.0
zgrab/0.x\r\nAccept: */*\r\nAccept-Encoding: gzip\r\n\r\n",
        "network.packet_source": "wire/pcap",
        "network.transport": "TCP",
        "observer.name": "securityonion",
        "rule.action": "allowed",
        "rule.category": "Detection of a Network Scan",
        "rule.gid": 1,
        "rule.metadata.confidence": ["High"],
        "rule.metadata.created_at": ["2019_11_26"],
        "rule.metadata.signature_severity": ["Informational"],
        "rule.metadata.updated_at": ["2024_04_13"],
        "rule.name": "ET SCAN Zmap User-Agent (Inbound)",
        "rule.reference": "https://community.emergingthreats.net",
        "rule.rev": 3,
        "rule.rule": "alert http $EXTERNAL_NET any -> any any (msg:\"ET SCAN Zmap User-Agent
(Inbound)\"; flow:established,to_server; http.user_agent; content:\"Mozilla/5.0 zgrab/0.x\";
startswith; endswith; classtype:network-scan; sid:2029054; rev:3; metadata:created_at 2019_11_26,
confidence High, signature_severity Informational, updated_at 2024_04_13;)",
        "rule.ruleset": "Emerging Threats",
        "rule.severity": 3,
        "rule.uuid": "2029054",
        "source.ip": "71.6.199.65",
        "source.port": 57184,
        "tags": ["alert", "_geoip_expired_database", "alert", "alert"]
      },
      "sort": [1749596282307]
    }
  ]
}
```

ThreatQuotient provides the following default mapping for this feed:

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
value.id	Event.Title	Event (Sighting or Alert)	event.payload.@timestamp	8gq1ZZcBcalMnhRghGIa	Combined with rule category and name to make the Event title
value.payload.rule.category	Event.Title	Event (Sighting or Alert)	event.payload.@timestamp	Detection of a Network Scan	Combined with ID and rule name to make the Event title
value.payload.rule.name	Event.Title	Event (Sighting or Alert)	event.payload.@timestamp	ET SCAN Zmap User-Agent (Inbound)	Combined with ID and rule category to make the Event title
value.payload.message	Event.Description	Event (Sighting or Alert)	event.payload.@timestamp	{\"timestamp\": \"2025-06-10T22:58:02.307685+0000\", \"flow_id\":811105843248641,\"pcap_cnt\":364797 ...	N/A
value.payload.rule.name	Signature.Name	Signature (Snort or Custom)	N/A	ET SCAN Zmap User-Agent (Inbound)	Type is determined by the value.payload.event.module being 'Suricata' or 'Sigma'
value.payload.rule.rule	Signature.Value	Signature (Snort or Custom)	N/A	alert http $EXTERNAL_NET any -> any any (msg:\"ET SCAN Zmap User-Agent (Inbound)\"; ...	If 'rule.rule' doesn't exist, then value becomes 'Sigma - {value.payload.rule.uuid}'
value.payload.source.ip	Indicator/Asset.Value	Indicator (IP Address) or Asset	N/A	71.6.199.65	If the IP address is not private and the object type is chosen in the config
value.payload.destination.ip	Indicator/Asset.Value	Indicator (IP Address) or Asset	N/A	203.161.44.208	If the IP address is not private and the object type is chosen in the config
value.payload.tags	Event.Tags	N/A	N/A	alert, _geoip_expired_database	User-configurable
value.payload.source.ip	Indicator.Attribute	Source IP	N/A	71.6.199.65	If the IP Address is private
value.payload.destination.ip	Indicator.Attribute	Destination IP	N/A	203.161.44.208	If the IP Address is private
value.payload.source.port	Event/Indicator/Asset.Attribute	Source Port	N/A	57184	User-configurable
value.payload.destination.port	Event/Indicator/Asset.Attribute	Destination Port	N/A	80	User-configurable

FEED DATA PATH	THREATQ ENTITY	THREATQ OBJECT TYPE OR ATTRIBUTE KEY	PUBLISHED DATE	EXAMPLES	NOTES
value.payload.event.severity	Event.Attribute	Severity	N/A	1	N/A
value.payload.event.severity_label	Event.Attribute	Severity Label	N/A	low	N/A
value.payload.event.dataset	Event.Attribute	Dataset	N/A	suricata.alert	N/A
value.payload.rule.category	Event.Attribute	Category	N/A	Detection of a Network Scan	N/A
value.score	Event.Attribute	Score	N/A	0	N/A
value.payload.rule.name	Signature.Attribute	Rule Name	N/A	ET SCAN Zmap User-Agent (Inbound)	N/A
value.payload.rule.uuid	Signature.Attribute	Rule UUID	N/A	2029054	N/A
value.payload.rule.severity	Signature.Attribute	Rule Severity	N/A	3	N/A
value.payload.rule.product	Signature.Attribute	Rule Product	N/A	linux	N/A
value.payload.rule.service	Signature.Attribute	Rule Service	N/A	auth	N/A
value.payload.rule.metadata.confidence	Signature.Attribute	Rule Confidence	N/A	High	User-configurable
value.payload.rule.metadata.created_at	Signature.Attribute	Rule Created At	N/A	2019_11_26	User-configurable
value.payload.rule.metadata.signature_severity	Signature.Attribute	Signature Severity	N/A	Informational	User-configurable
value.payload.rule.metadata.updated_at	Signature.Attribute	Rule Updated At	N/A	2024_04_13	User-configurable

Average Feed Run

Object counts and Feed runtime are supplied as generalities only - objects returned by a provider can differ based on credential configurations and Feed runtime may vary based on system resources and load.

METRIC	RESULT
Run Time	1 minute
Events	101
Event Attributes	395
Indicators	77
Indicator Attributes	94
Signatures	6
Signature Attributes	22

Change Log

- **Version 1.0.0**
  - Initial release